ABSTRACT OF THE DISCLOSURE

~~An electric component mounting system, including a board supporting device, a movable member, a main moving device which moves the movable member, a rotatable body attached to the movable member, a rotatable body rotating device which rotates the rotatable body, suction nozzles supported by the rotatable body along a circle whose center is located on an axis line of the rotatable body, such that each suction nozzle is not rotatable relative to the body and is movable relative to the body in a direction parallel to the axis line, an engaging member rotatable relative to the rotatable body about the axis line, movable relative to the body in the direction parallel to the axis line, and including a nozzle engaging portion engageable with one suction nozzle, an engaging member rotating device which rotates the engaging member to two rotation phases of the rotatable body at each of which the nozzle-engaging portion is engageable with one suction nozzle, an engaging member moving device which moves the engaging member in the direction parallel to the axis line, so that the nozzle engaging portion engages one suction nozzle and moves one suction nozzle toward the board supporting device, and a control device which controls the main moving device, the rotatable body rotating device, the engaging member rotating device, and the engaging member moving device.~~

A method of sequentially mounting, on a printed-wiring board supported by a board supporting device, a plurality of electric components which are sucked and held by respective ends of a plurality of suction nozzles which are supported by a rotatable body such that the suction nozzles are provided along a circle whose center is located on an axis line of the rotatable body and such that each of the suction nozzles is not rotatable relative to the rotatable body and is movable relative to the body in a direction parallel to the axis line of the body, the rotatable body being attached to a movable member which is movable to an

arbitrary position on a movement plane parallel to the printed-wiring board supported by the board supporting device, such that the rotatable body is rotatable about the axis line thereof perpendicular to the movement plane.